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## (54) PRODUCTION OF BISPHENOL A

## (57)Abstract:

PURPOSE: To provide a method for producing bisphenol A by crystallizing bisphenol A-phenol adduct from the phenol solution of the bisphenol A by a vacuum-cooling and evaporating crystallization method and subsequently producing the bisphenol A from the adduct, capable of reducing the volume of waste water discharged outside the system as much as possible to prevent environmental pollutions.

CONSTITUTION: A method for producing bisphenol A comprises adding water to the phenol solution of the bisphenol A, crystallizing the bisphenol A-phenol adduct from the mixture with a vacuum cooling and evaporating crystallization device, condensing and recovering the evaporated phenol-containing water, separating the crystal slurry into the crystals and the mother liquid with a vacuum-filtration device, condensing and recovering the phenol-containing water in the mother liquid, and at least partially recycling the obtained phenol-containing water and the phenol-containing water recovered in the crystallization process as the water added to the phenol solution of the bisphenol A and as water used for sealing a vacuum pump for the vacuum filtration device.

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